

# Data sheet

## ICA 18T

### Flexi Current Probe 3000AAC 18inch

#### Feature:

- 3000A AC current measurement
- Slide switch to change range
- Voltage output to universal voltage meters
- 18inch head cable length
- 7.5mm coil diameter for tight space measurement
- 2 meter extension cable
- Low Batt. LED indicator
- Ergonomically designed one hand operation
- CAT IV 600V/ CAT III 1000V safety standard

#### Specifications:

- Accuracy is  $\pm$  (% reading + counts of least significant digit) at  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , with relative humidity Less than 80% R.H.
- Accuracy is specified for a period of one year after calibration

#### Position Error of Clamp:

Accuracy and position error assumes centralized primary conductor at optimum position, no external electrical or magnetic field, and within operating temperature range.

Distance from Optimum (mm)	Error
35	$\pm 1.0\%$
50	$\pm 1.5\%$
60	$\pm 2.0\%$

#### AC Current:

Range	Output Voltage	Accuracy
30.00A	100mV/1A	$\pm(3\%$ of full scale) for 45Hz - 500Hz
300.0A	10mV/1A	
3000A	1mV/1A	

**Output Noise** : < 5mV for each range

**Max. output voltage** : 4.5Vpeak

**General:**

<b>Low Battery Indication:</b>	Voltage drops below operating voltage the battery indicator will flash
<b>Auto Power Off:</b>	Approx. 20 minutes after last operation
<b>Operating Temperature:</b>	0 °C ~ 30 °C ( $\leq 80\%$ RH) 30 °C ~ 40 °C ( $\leq 75\%$ RH) 40 °C ~ 50 °C ( $\leq 45\%$ RH)
<b>Storage Temperature:</b>	-20°C to 60°C, 0% RH to 80% RH (batteries not fitted)
<b>Temperature Coefficient:</b>	0.2 x (Specified accuracy) / °C, < 18°C, > 28°C .
<b>Safety:</b>	IEC 61010-1: CAT IV 600V, CAT III 1000V
<b>Maximum Conductor Size</b>	18inch
<b>Power Requirement:</b>	AAA Size Battery x 2
<b>Battery Life: (Alkaline)</b>	160 hours
<b>Size:</b>	130mm(W) x 350mm(H) x 25mm(D)
<b>Weight:</b>	Approx. 200g (with battery)
<b>Accessories:</b>	Battery (installed) and User Manual